

DOCKET NO.: CACS-0017

B1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Williams, et al.

Confirmation No.: 6295

Serial No.: 09/786,176

Group Art Unit: 2856

Filing Date: November 13, 2001

Examiner: Politzer, Jay L.

For: SEMICONDUCTOR GAS SENSING

APPENDIX B TO APPLICANTS' BRIEF

References Cited by Applicants:

- Exhibit 1: Niemeyer, Dirk, David E. Williams, Peter Smith, Keith F. E. Pratt, Ben Slater, C. Richard A. Catlow, and A. Marshall Stoneham, "Experimental and computational study of the gas-sensor behaviour and surface chemistry of the solid solution  $\text{Cr}_{2-x}\text{Ti}_x\text{O}_3$  ( $x \leq 0.5$ )," *J. Mater. Chem.*, 2002, **12**, 667-675.
- Exhibit 2: Williams, D.E., G.S. Henshaw, K.F.E. Pratt, and R. Peat, "Reaction-Diffusion Effects and Systematic Design of Gas-sensitive Resistors based on Semiconducting Oxides," *J. Chem. Co. Faraday Trans.*, 1995, **91**(23), 4299-4307.
- Exhibit 3: Williams, David E., and Keith F.E. Pratt, "Classification of reactive sites on the surface of polycrystalline tin dioxide," *J. Chem. Soc., Faraday Trans.*, 1998, **94**, 3493-3500.
- Exhibit 4: Williams, D. E., "Conduction and Gas Response Of Semiconductor Gas Sensors," Chap. 5 in *Solid State Gas Sensors*, ed. P.T. Moseley and B.C. Tofield (Bristol: Adam Hilger, 1987) p. 71.
- Exhibit 5: Williams, David E. and Keith F.E.Pratt, "Microstructure effects on the response of gas-sensitive resistors based on semiconducting oxides," *Sensors & Actuators B* 70 (2000) pp. 214-221.
- Exhibit 6: Hoffheins, Barbara, "Solid State Resistive Gas Sensors," Chap. 14 in *Handbook of Chemical And Biological Sensors*, ed. R.F. Taylor and J.S. Schultz (Bristol: IOP Publishing, 1996) p. 373.
- Exhibit 7: Gregg S. J., *The Surface Chemistry Of Solids* (London: Chapman & Hall 1961) p. 108.